

Snowmass 2021

EF09 - BSM

More general explorations

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https://snowmass21.org/energy/bsm_general



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Agenda for today's meeting

- Main items for today's meeting:
 - Review of heavy boson searches at future lepton and proton-proton colliders
 - Discussion of topics (related to this area) that need more attention/work
 - A few short presentations covering (some of the) work planned in the context of Snowmass 2021
- Please “Raise” your hand (or just speak up) if you have questions/comments!
- We plan to take [live notes](#) of discussion and Q&A during this meeting and will post them on the agenda afterwards

Thank you for your participation at the [Energy Frontier Kick-off meeting!](#)

EF09 report is available [here](#).

EOIs and LOIs

- We've setup a very simple/quick form to collect interests in studying relevant topics for this group
 - Study you're interested / planning to perform
 - Ideas for which you seek collaborators!
 - Topics you're interested in collaborating with others
 - It's an optional document but helps us a lot with the planning
 - Also provides you with the opportunity to seek collaborators
 - Thanks to those of you who have already filled this out!
- An EOI is different from a LOI (Letter of Interest)
 - <https://www.snowmass21.org/docs/upload.php>
 - Short (2-page) description of studies that you are planning or interested in pursuing
 - Call open April 1st - Aug 31st 2020
- We encourage you to submit both EOIs and LOIs

The screenshot shows a web form titled "Expression of Interest: Snowmass 2021 - EF09". Below the title, there is a paragraph of instructions: "Please use this form to communicate your interest in either performing a study or join studies in a particular area. For more information on activities covered by this group see also the twiki page: https://snowmass21.org/energy/bsm_general". A red asterisk indicates a required field. The form contains several input sections: "Email address *" with a text input field labeled "Your email"; "Full name *" with a text input field labeled "Your answer"; "Other Collaborators" with a text input field labeled "Your answer"; "Topic (short) *" with a text input field labeled "Your answer"; "Description or Comments (short paragraph)" with a text input field labeled "Your answer"; and "References (if any)" with a text input field labeled "Your answer". At the bottom right, there is a purple "Submit" button.

Monte Carlo Taskforce

- Taskforce setup for Snowmass 2021 to:
 - Survey existing frameworks
 - Evaluate needs for MC production, based on inputs from the various topical groups
- Short-term plans:
 - Contacting future collider Collaboration to collect information on analysis frameworks
 - Each topical group will shortly survey the community on needs for dedicated MC
 - All information will be collected in twiki pages for easy access:
 - Links to frameworks and instructions, when available
 - List of available MC samples
 - Many things still under discussion (and will depend on needs from the community):
 - Dedicated detailed simulations (from Collaborations) vs quick “Delphes” cards?
 - Already available in some cases

July Energy Frontier Workshop

- Topical group conveners have been asked to provide feedback to the Energy Frontier conveners regarding the format of the July workshop
- Possibilities being discussed; pros and cons in each case!
 - 2 day workshop (July 9, 10)
 - Starting each day around ~9:30 EDT and ending around 19:00-19:30 EDT
 - Disruption in people's lives and other work activities is limited to two days rather than extended over more days; more intensive
 - 3 day workshop (July 8, 9, 10)
 - Starting around 11:00 EDT and ending around 18:00-18:30 EDT; could consider starting earlier on one of the days (more Europe/Asia friendly)
 - Less intensive each day; more family-friendly ? Still takes up majority of the day...
 - 3 day workshop (July 9, 10, 11)
 - Same as above, but July 11th is a Saturday.
- Preferences?

Please mark your calendar and
subscribe to the EF09 mailing list

Upcoming events

May 29th: New Resonances (TODAY)

June 12th: General Long-Lived Particles

June 26th: Exotica (incl. new fermions, new tools, ...)

July 9-10th: two-day Energy Frontier workshop [under discussion]

July 23-24th: Dark Sector and light Long-Lived Particles (jointly with RF06 and EF10)

Please join us!